

=> d his

(FILE 'HOME' ENTERED AT 15:58:26 ON 12 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
CABA, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:00:29 ON  
12 NOV 2002

(OI SEA (OIL (2A) (OCIMUM BASILICUM OR O.BASILICUM OR BASIL)) OR

-----  
1 FILE ADISINSIGHT  
60 FILE AGRICOLA  
17 FILE ANABSTR  
2 FILE AQUASCI  
34 FILE BIOBUSINESS  
132 FILE BIOSIS  
8 FILE BIOTECHABS  
8 FILE BIOTECHDS  
6 FILE BIOTECHNO  
134 FILE CABA  
3 FILE CANCERLIT  
615 FILE CAPLUS  
43 FILE CIN  
3 FILE CONFSCI  
4 FILE CROPB  
22 FILE CROPU  
15 FILE DDFB  
43 FILE DDFU  
15 FILE DRUGB  
31 FILE DRUGLAUNCH  
368 FILE DRUGMONOG2  
48 FILE DRUGU  
3 FILE EMBAL  
57 FILE EMBASE  
16 FILE ESBIODBASE  
3 FILE FOREGE  
99 FILE FROSTI  
119 FILE FSTA  
32 FILE IFIPAT  
13 FILE JICST-EPLUS  
23 FILE KOSMET  
21 FILE LIFESCI  
31 FILE MEDLINE  
4 FILE NIOSHTIC  
1 FILE NTIS  
45 FILE PASCAL  
1 FILE PHAR  
2 FILE PHIN  
260 FILE PROMT  
56 FILE SCISEARCH  
61 FILE TOXCENTER  
517 FILE USPATFULL  
4 FILE USPAT2  
1 FILE VETU  
143 FILE WPIDS  
143 FILE WPINDEX

L1  
(OI

QUE (OIL (2A) (OCIMUM BASILICUM OR O.BASILICUM OR BASIL)) OR

OR

SEA FENCHONE OR DL-FENCHONE OR TRANS-ANETHOL OR TANS ANETHOL

-----  
114 FILE AGRICOLA  
47 FILE ANABSTR  
1 FILE AQUASCI  
74 FILE BIOBUSINESS  
247 FILE BIOSIS  
11 FILE BIOTECHABS  
11 FILE BIOTECHDS  
23 FILE BIOTECHNO  
228 FILE CABA  
12 FILE CANCERLIT  
1863 FILE CAPLUS  
2 FILE CEABA-VTB  
3 FILE CIN  
4 FILE CONFSCI  
6 FILE CROPB  
58 FILE CROPU  
31 FILE DDFB  
38 FILE DDFU  
31 FILE DRUGB  
3 FILE DRUGLAUNCH  
38 FILE DRUGMONOG2  
45 FILE DRUGU  
2 FILE EMBAL  
104 FILE EMBASE  
48 FILE ESBIODBASE  
1 FILE FEDRIP  
3 FILE FOREGE  
84 FILE FROSTI  
139 FILE FSTA  
1 FILE GENBANK  
1 FILE HEALSAFE  
43 FILE IFIPAT  
29 FILE JICST-EPLUS  
24 FILE KOSMET  
65 FILE LIFESCI  
81 FILE MEDLINE  
5 FILE NIOSHTIC  
3 FILE NTIS  
137 FILE PASCAL  
39 FILE PROMT  
253 FILE SCISEARCH  
1 FILE SYNTHLINE  
249 FILE TOXCENTER  
571 FILE USPATFULL  
7 FILE USPAT2  
1 FILE VETU  
59 FILE WPIDS  
59 FILE WPINDEX

L2  
OR

QUE FENCHONE OR DL-FENCHONE OR TRANS-ANETHOL OR TANS ANETHOL

-----  
SEA (L1 OR L2) (10A) (PARABEN OR BENZOIC ADJ ACID)

-----  
1 FILE AGRICOLA  
1 FILE BIOSIS  
2 FILE CABA  
2 FILE CAPLUS

SEA (L1 OR L2) (10A) (PARABEN OR BENZOIC ACID)

-----  
1 FILE AGRICOLA

2 FILE BIOSIS  
2 FILE CABA  
5 FILE CAPLUS  
1 FILE DRUGU  
1 FILE EMBASE  
1 FILE ESBIODASE  
1 FILE FROSTI  
1 FILE JICST-EPLUS  
2 FILE LIFESCI  
1 FILE MEDLINE  
1 FILE PASCAL  
1 FILE PROMT  
1 FILE SCISEARCH  
1 FILE TOXCENTER  
4 FILE USPATFULL

L3 QUE (L1 OR L2) (10A) (PARABEN OR BENZOIC ACID)

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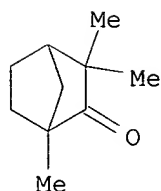
FILE 'CAPLUS, BIOSIS, CABA, LIFESCI, AGRICOLA, MEDLINE, PROMT,  
SCISEARCH,

TOXCENTER' ENTERED AT 16:15:18 ON 12 NOV 2002

L4 16 S L3

L5 8 DUP REM L4 (8 DUPLICATES REMOVED)

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN 1195-79-5 REGISTRY  
 CN Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2-Norbornanone, 1,3,3-trimethyl- (6CI, 8CI)  
 OTHER NAMES:  
 CN (.+-.)-Fenchone  
 CN 1,3,3-Trimethyl-2-norbornanone  
 CN 1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one  
 CN 1,3,3-Trimethylnorcamphor  
 CN dl-Fenchone  
 CN **Fenchone**  
 FS 3D CONCORD  
 DR 126-21-6, 18492-37-0  
 MF C10 H16 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX,  
 CHEMLIST, CSCHEM, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, HODOC\*,  
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT, NIOSHTIC, RTECS\*,  
 SPECINFO, TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

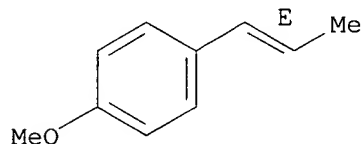


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

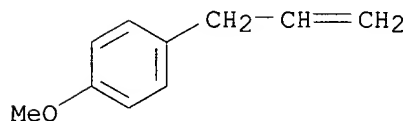
915 REFERENCES IN FILE CA (1962 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 916 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN 4180-23-8 REGISTRY  
 CN Benzene, 1-methoxy-4-(1E)-1-propenyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Anisole, p-propenyl-, (E)- (8CI)  
 CN Benzene, 1-methoxy-4-(1-propenyl)-, (E)-  
 OTHER NAMES:  
 CN (E)-1-(4-Methoxyphenyl)propene  
 CN (E)-1-p-Methoxyphenylpropene  
 CN (E)-Anethol  
 CN (E)-Anethole  
 CN 1-Methoxy-4-[(1E)-1-propenyl]benzene  
 CN trans-1-(4-Methoxyphenyl)-1-propene  
 CN trans-1-(p-Methoxyphenyl)-1-propene  
 CN trans-1-(p-Methoxyphenyl)propene  
 CN trans-1-p-Anisylpropene  
 CN trans-4-(1-Propenyl)anisole  
 CN trans-Anethol  
 CN **trans-Anethole**  
 CN trans-p-Anethole  
 CN trans-p-Methoxy-.beta.-methylstyrene  
 FS STEREOSEARCH  
 DR 57131-42-7, 109957-71-3  
 MF C10 H12 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA,  
 CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,  
 DETHERM\*, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDb, IPA, MRCK\*,  
 NIOSHTIC,  
 PROMT, RTECS\*, SPECINFO, TOXCENTER, USAN, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
 RN 140-67-0 REGISTRY  
 CN Benzene, 1-methoxy-4-(2-propenyl)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Anisole, p-allyl- (8CI)  
 CN **Estragole (6CI)**  
 CN Ether, p-allylphenyl methyl (7CI)  
 OTHER NAMES:  
 CN 1-Allyl-4-methoxybenzene  
 CN 1-Methoxy-4-(2-propenyl)benzene  
 CN 3-(4-Methoxyphenyl)-1-propene  
 CN 3-(p-Methoxyphenyl)-1-propene  
 CN 3-(p-Methoxyphenyl)propene  
 CN 4-Allylanisole  
 CN 4-Allylmethoxybenzene  
 CN 4-Methoxyallylbenzene  
 CN Chavicol methyl ether  
 CN Chavicol, methyl-  
 CN Chavicol, O-methyl-  
 CN Esdragol  
 CN Esdragole  
 CN Esdragon  
 CN Estragol  
 CN Isoanethole  
 CN Methyl chavicol  
 CN p-Allylanisole  
 CN p-Allylphenyl methyl ether  
 CN p-Methoxyallylbenzene  
 FS 3D CONCORD  
 DR 1407-27-8, 77525-18-9  
 MF C10 H12 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU,  
 EMBASE, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,  
 NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE,  
 TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



L5 ANSWER 5 OF 8 MEDLINE  
 AN 1998186601 MEDLINE  
 DN 98186601 PubMed ID: 9552716  
 TI Inhibition of *Listeria monocytogenes* and *Salmonella enteritidis* by combinations of plant oils and derivatives of benzoic acid: the development of synergistic antimicrobial combinations.  
 AU Fyfe L; Armstrong F; Stewart J  
 CS Department of Dietetics and Nutrition, Queen Margaret College, Edinburgh, UK.  
 SO INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, (1997 Jan) 9 (3), 195-9.  
 Journal code: 9111860. ISSN: 0924-8579.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199804  
 ED Entered STN: 19980430  
 Last Updated on STN: 19990129  
 Entered Medline: 19980423  
 AB This study describes inhibitory properties of combinations of oil of **fennel**, oil of anise or oil of **basil** with either **benzoic acid** or methyl-**paraben** against *Listeria monocytogenes* and *Salmonella enteritidis*. Micro-organisms were cultured at 37 degrees C in broth and viable counts measured over a 48-h period. *S. enteritidis* was particularly sensitive to inhibition by a combination of oil of anise, **fennel** or basil with methyl-**paraben** where there was < 10 CFU/ml after 1 h. *L. monocytogenes* was less sensitive to inhibition by each combination however there was a significant reduction in growth of 4-8 log by combinations of all oils and methyl-**paraben** at 8, 24 and 48 h.  
 Synergistic inhibition by one or more combinations was evident against each micro-organism.  
 CT Check Tags: Support, Non-U.S. Gov't  
 \*Anti-Infective Agents: PD, pharmacology  
 Apiaceae  
 \*Benzoates: PD, pharmacology  
 Benzoic Acid  
 Drug Combinations  
 Drug Synergism  
 Ferula  
 Food Microbiology  
 Food Preservatives: PD, pharmacology  
 \**Listeria monocytogenes*: DE, drug effects  
*Listeria monocytogenes*: GD, growth & development  
 \*Parabens: PD, pharmacology  
 \*Plant Oils: PD, pharmacology  
 Plants, Medicinal  
 Plants, Toxic  
 Reproducibility of Results  
 \**Salmonella enteritidis*: DE, drug effects  
*Salmonella enteritidis*: GD, growth & development  
 RN 65-85-0 (Benzoic Acid); 8015-73-4 (basil oil); 99-76-3 (methylparaben)  
 CN 0 (Anti-Infective Agents); 0 (Benzoates); 0 (Drug Combinations); 0 (Food Preservatives); 0 (Parabens); 0 (Plant Oils)

7. Incorporated